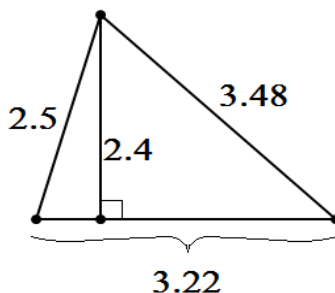


- Use words to write 218 006.700502 **two hundred eighteen thousand, six and seven hundred thousand, five hundred two millionths**
- Round  $31.09\overline{48}$ 
  - to the nearest thousandths **31.095**
  - to four decimal places **31.0948**
- Compute the following table. Make sure to reduce the fractions.

Fraction	Percent	Decimal
$\frac{2}{5}$	<b>40%</b>	<b>0.4</b>
$\frac{3}{4}$	<b>75%</b>	<b>0.75</b>
$\frac{1}{100}$	<b>1%</b>	<b>0.01</b>

- Compute the perimeter and area of the triangle shown on the picture. Units are in centimeters. Include units in your computation and answer.  **$P = 9.2 \text{ cm}$ ,  $A = 3.864 \text{ cm}^2$**



- Compute the least common multiple of 63, 75, and 100. **6300**
- Compute the average of 1.54,  $-5.85$ , 5.43,  $-6.8$ , and 2.18.  **$-0.7$**
- Consider the following numbers. 441, 852, 1836, 5283, and 492.
  - Find all numbers from the list that are divisible by 4. **852, 1836, 492**
  - Find all numbers from the list that are divisible by 9. **441, 1836, 5283**
  - Find all numbers from the list that are divisible by 36. **1836**
- Convert 7920 feet to miles. **1.5 mi**
- Write each of the following fractions as a decimal. Round your answer to the nearest thousandths.
  - $\frac{3}{11} \approx 0.273$
  - $\frac{37}{15} \approx 2.467$
  - $\frac{15}{37} \approx 0.405$

10. If we multiply a number by 7 and decrease this product by 3, the result is 30.6. Find this number. **4.8**
11. We are planning to enlarge a picture that is 4.5 inches long and 2.8 inches wide. How wide should the enlarged picture be if we want its length to measure 18 inches? **11.2 in**
12. Sue is working at the library and her monthly salary is \$1500. How much would she make in a month if the library increased her monthly salary by 5%? **\$1575**
13. On the first day, the explorers traveled 32 miles in 8 hours. The next day they had to travel 49 miles, so they increased their average by 3 miles per hour. How long did it take for them to travel the 49 miles on the second day? **7 hours**
14. The salesman drove to the southern headquarters in 8 hours. His average velocity was 36 miles per hour. The next day, he needed to drive back in 6 hours. What should his average velocity be?  **$48 \frac{\text{mi}}{\text{h}}$**
15. Four numbers out of five are:  $-2$ ,  $7.5$ ,  $-2.5$ , and  $6$ . Find the fifth number if we know that the average of the five numbers is 2. **1**

16. Perform the following operations. Do not use a calculator.

a)  $\frac{(-1.5)^2 - (-2)^3 \cdot 1.5 + \frac{0.6}{0.8}}{|1.1^2 - 1.3 \cdot 1.7|} = \mathbf{15}$

b)  $\frac{1}{5} \left( 3\frac{1}{4} - 2\frac{1}{3} \right) + \frac{7}{15} = \mathbf{\frac{13}{20}}$

17. Evaluate  $\frac{6x^2 - 7x - 5}{3x - 5}$  if

a)  $x = -0.4$  **0.2**

b)  $x = -\frac{3}{4}$   **$-\frac{1}{2}$**

18. Solve each of the following equations. Make sure to check your solution.

a)  $1.3x - 0.75 = 5.1$  **4.5**

c)  $0.7 - 0.4x = -0.3$  **2.5**

b)  $\frac{a + \frac{1}{7}}{\frac{4}{7}} = 4\frac{1}{3}$   **$\frac{7}{3} = 2\frac{1}{3}$**

d)  $\frac{2x - 5}{3} = 7$  **13**